## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION         | 1111001  |        | 8/27/01  |
| O.I.P.E. CLASSIFIER       |          | 19     | 94 61    |
| FORMALITY REVIEW          | 74       | 1627   | 09/29/01 |
| RESPONSE FORMALITY REVIEW |          |        |          |
|                           |          |        |          |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

|       |           |         |          |          |          |              | ÷        | •••      | •••••                               |                   | ••••     | •••••        |
|-------|-----------|---------|----------|----------|----------|--------------|----------|----------|-------------------------------------|-------------------|----------|--------------|
| Cla   | im        |         | <u> </u> |          |          |              | Dat      | е        |                                     |                   | _        |              |
| Fina  | priginal. | 7 // 30 | 2-11-0   |          |          |              |          |          |                                     |                   |          |              |
| بوتا  | dly       | 2       | Š        | L        |          | $\dashv$     | $\dashv$ | _        | $\vdash$                            |                   | $\dashv$ | $\dashv$     |
|       | 2         | Н       | 4        |          | Н        |              | $\dashv$ | _        |                                     | $\dashv$          |          | $\neg$       |
| _     | 3         | Н       | Н        | $\vdash$ | $\vdash$ | -            | $\dashv$ | -        | $\vdash$                            | ᅱ                 |          | -            |
| . —   | 4         | H       | Н        | -        |          | $\dashv$     |          | _        | $\dashv$                            | <del>,  </del>    | -        |              |
|       | 5         | H       | Н        | -        |          | $\dashv$     | -        | -        | -                                   | -                 |          | -            |
| -     | 6         | Н       | Н        | _        | Н        |              |          | -        | Н                                   | $\dashv$          | -        | -            |
| _     | 7         | Н       | -        | Η.       |          | $\dashv$     | $\dashv$ | -        | $\vdash$                            | $\neg$            |          |              |
|       | 8         | Н       | -        | 2        | $\vdash$ | $\dashv$     | $\dashv$ | _        | $\vdash$                            | -                 |          | -            |
| _     | 9         | H       | 7        | $\vdash$ | Н        | $\dashv$     | $\dashv$ |          | $\vdash$                            | $\dashv$          |          | $\dashv$     |
| _     | 10        | H       | -        | $\vdash$ | H        | $\dashv$     | $\dashv$ |          | $\vdash$                            | $\neg$            | $\dashv$ |              |
| 7     | 11        | Н       | Η        | Η.       | Н        | $\dashv$     | $\dashv$ |          | H                                   | $\dashv$          |          | $\dashv$     |
|       | 12        | ď       | ۴        | _        | H        | $\dashv$     | -        | Ą        | H                                   | -                 | -        | ٦            |
|       | 13        |         | Η        |          | $\Box$   | -            | $\dashv$ |          | ંદું                                | $\dashv$          |          | $\neg$       |
| _     | 14        | Н       | Н        | -        |          | $\dashv$     |          | 3.       | H                                   | $\dashv$          | -        |              |
| _     | 15        | Н       | Н        | Н        | Н        | $\dashv$     |          |          | Н                                   | $\dashv$          |          | П            |
|       | 16        | Н       | H        |          | $\vdash$ |              |          |          |                                     |                   |          | П            |
|       | 17        | Н       | П        | Т        | П        |              |          |          | П                                   |                   |          |              |
| ·     | 18        | П       | Ħ        |          |          |              |          |          |                                     |                   | П        |              |
| ス     | 19        | М       |          |          |          |              |          |          | П                                   |                   |          |              |
|       | 20        | Ħ       |          |          |          |              |          |          |                                     |                   | П        |              |
|       | 2:1       | H       | ۲        | H        | П        | Н            | Н        | _        | Н                                   |                   | Н        |              |
| 7     | 22        | t       | t        |          |          | М            |          |          | П                                   | Н                 | Н        |              |
| _     | 23        | t       | t        | Ι.       |          | $\Box$       |          |          | П                                   |                   | Н        | _            |
| 1     | 24        |         | t        | Γ,       |          |              |          |          |                                     |                   | П        |              |
|       | 25        |         | Ť        |          |          | П            |          |          |                                     |                   |          |              |
|       | 26        | Γ       | Ť        | Г        |          |              |          |          |                                     |                   |          |              |
| _     | 27        |         | †,<br>,/ | Γ        |          |              |          |          |                                     |                   |          |              |
|       | 28        | ľ       | ſ        |          |          |              |          |          |                                     |                   |          |              |
|       | 28        | Γ       | I        |          |          |              |          |          |                                     |                   |          |              |
|       | 30        |         | I        |          |          |              |          |          |                                     |                   |          |              |
|       | 31        | 1.      | I        |          |          |              |          |          |                                     |                   |          | Ĺ            |
|       | 32        | •       | I        |          |          |              |          |          |                                     | Ĺ                 |          |              |
| ?     | 33        | Ĺ       |          | oxdot    | $\Box$   |              |          |          |                                     |                   | $\Box$   |              |
|       | 34        | Ĺ       | 1        |          | oxdot    |              | Ĺ        |          |                                     |                   |          |              |
|       | 35        |         | 1        | L        |          | $oxed{\Box}$ | L        | L        | ļ                                   | L                 | L        | <u> </u>     |
| X     | 36        | 2       | 1        | Ĺ        |          | L            | <u>_</u> | <u> </u> | <u> </u>                            | L                 | <u> </u> | $oxed{oxed}$ |
|       | 37        | L       | 1        | 1_       |          | _            | <u> </u> | L        | $oxed{oxed}$                        | <u> </u>          | L        | _            |
|       | 38        | L       | 1        | L        | <u> </u> | <u> </u>     | _        | _        | ↓_                                  | _                 | L        | <u> </u>     |
|       | 39        | -       | L        | <u> </u> | <u> </u> | L_           | L        | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L                 | 1        | _            |
|       | 40        | L       | L        | 上        | <u></u>  | _            | L        |          | L                                   |                   | L        | L            |
|       | 41        | _       |          | L        | L_       | L            | L        | L        | L                                   | $ldsymbol{f eta}$ | <u> </u> | L            |
|       | 42        |         | _        |          | Ĺ        | Ĺ            | L        | Ĺ        | L                                   | L                 | L        | L            |
| oxdot | 43        | -       |          | L        | _        |              | L        | L        | _                                   | L                 | L        | Ĺ            |
|       | 44        |         | L        | $\Box$   |          | L            | L        | L        | <u>L</u>                            | L                 | L        | L            |
|       | 45        | -       | L        | L        | L        | L            | L        | L        | _                                   | L                 |          | L            |
| L     | 46        |         | L        | 1        | _        | _            | <u> </u> | L        | _                                   | L                 | <u> </u> | <u> </u>     |
| L     | 47        |         | 1        | ↓_       | <u>_</u> | _            | L        | L        | 1_                                  | _                 | <u> </u> | <u> </u>     |
| _     | 48        |         | 1        | ┥_       | _        | _            | L.       | L        | ↓_                                  | <u> </u>          | <b> </b> | _            |
|       | ı 49      |         | ١.       | 1        | 1        |              |          |          | 1                                   | ı                 | 1        | •            |

| Cla       | Claim > Date |           |              |          |          |  |          |          |                |  |          |   |
|-----------|--------------|-----------|--------------|----------|----------|--|----------|----------|----------------|--|----------|---|
| Final     | Original     | A-21-16-A |              |          |          |  |          |          |                |  |          |   |
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| $\square$ |              |           |              |          |          |  | _        |          |                |  |          |   |
|           | 52           | 7         |              |          |          |  |          |          |                |  |          |   |
|           | 53           | V         | -            |          |          |  |          |          |                |  |          | l |
|           | 54           | 2         |              |          |          |  |          |          |                |  | _        | ١ |
|           | 55           | _         |              |          |          |  |          |          |                |  |          | l |
|           | 56           |           |              |          |          |  |          |          |                |  |          | ١ |
|           | 57           |           |              |          |          |  |          |          |                |  |          | ١ |
|           | 58           |           | Г            |          |          |  |          |          |                |  | П        | ١ |
| Г         | 59           |           |              |          |          |  |          |          |                |  | Г        | l |
| Г         | 60           |           |              |          |          |  |          |          |                |  |          |   |
| Г         | 61           |           |              |          |          |  |          |          |                |  |          | l |
|           | 62           |           |              |          |          |  |          |          |                |  |          |   |
|           | 63           |           |              |          |          |  |          |          |                | 4.                                     |          | ŀ |
|           | 64           | L         |              |          |          |  |          |          |                | ٠                                      | i.       | ŀ |
|           | 65           |           |              |          |          |  |          |          |                |  |          | l |
| _         | 66           | _         |              |          |          |  | ]        |          |                |  |          | ļ |
| <u></u>   | 67           | _         | <u> </u>     | <u> </u> | L        | Щ  | Ш        |          | _              | _                                      |          | l |
| _         | 68           | _         |              |          | _        |  |          |          | - !            |  | <u> </u> | ł |
| <u></u>   | 69           | _         | <u> </u>     | _        |          |  |          |          | _              | _                                      | <u> </u> | ł |
| _         | 70           | <u> </u>  | -            |          |          |  |          |          | _              | _                                      | <u> </u> | ł |
| _         | 71           | L         | _            | <u> </u> | _        |  |          | L        |                |  | -        | ł |
| $\vdash$  | 72<br>73     | -         | ⊢            | ⊢        | -        |  | -        | H        | ⊢              | -                                      |          | ł |
| $\vdash$  | 74           | _         | ├─           | -        | H        | $\vdash$   | -        | ┢┈       | H              | H                                      | -        | ł |
| $\vdash$  | 75           | ļ         | ┢            | -        | -        | <del>                                     </del> |          |          | -              | -                                      | ╂─       | ł |
| -         | 76           | -         | <del> </del> | 1        |          | $\vdash$   | $\vdash$ | $\vdash$ | -              |  | $\vdash$ | 1 |
|           | 77           | T         |              | Г        |          |  |          |          | Γ              |  | Г        | 1 |
|           | 78           |           |              |          |          |  |          |          |                |  |          | ] |
|           | 79           |           |              |          |          | Ĺ  |          |          |                |  |          | ] |
| L         | 80           |           | L            | <u> </u> |          |  |          | L        | L              | L                                      | <u> </u> | 1 |
|           | 81           |           | _            | <u> </u> | L.       | <u>L</u>   |          | L        | _              | _                                      |          | ļ |
| <u>_</u>  | 82           | -         | <u> </u>     | ┞-       | ļ        |  | L-       | L        | <u> </u>       | _                                      | Ŀ        | 4 |
| <u> </u>  | 83           |           | ┞            | ┞        | ļ        | _  | <u> </u> | <u> </u> | ⊢              | ├-                                     | ┞-       | 1 |
| -         | 84           | -         | $\vdash$     | ├-       | ├        | -  | _        | -        | <u> </u>       | -                                      | -        | 1 |
| -         | 85           |           | +            | $\vdash$ | ⊢        | -  | -        | ⊢        | -              | -                                      | ├-       | 4 |
| 1         | 86           | ╀         | ╀            | ├-       | ├-       | $\vdash$   | ⊢        | ├        | -              | ┡                                      | ┢        | 1 |
| -         | 87<br>88     | $\vdash$  | ⊢            | ┝        | ╁        | $\vdash$   | -        | ╁        | $\vdash$       | ├                                      | $\vdash$ | 1 |
| $\vdash$  | 89           | -         | $\vdash$     | -        | -        | $\vdash$   | $\vdash$ | $\vdash$ | +              | $\vdash$                               | $\vdash$ | 1 |
| -         | 90           | +-        | $\vdash$     | H        | 1        | <u> </u>   | -        | $\vdash$ | ┢╌             | $\vdash$                               | ╁╌       | 1 |
| $\vdash$  | 91           | -         | ╁╌           | ┢        | -        | <del> </del>                                     |          | 1        | 1              | ╁                                      | ╆        | 1 |
| $\vdash$  | 92           | -         | +-           | 1        |          | ┢  |          |          | <del>  -</del> | 1                                      | ╆        | 1 |
| -         | 93           | -         | T            | T        | T        | 1  |          | T        | 1              | Τ                                      | T        | 1 |
|           | 94           | +         | Τ            | T        |          |  | Γ        |          |                |  | Γ        | 1 |
|           | 95           | I         |              |          |          |  |          |          |                |  |          | ] |
|           | 96           | _         |              |          |          |  |          |          |                |  | 匚        | 1 |
|           | 97           |           | L            |          |          |  |          | L        | L              | L                                      | L        | 1 |
|           | 98           | +         | L            | <u> </u> |          | L  | _        | $\vdash$ | <u> </u>       | $\perp$                                | $\vdash$ | 4 |
|           | 99           | -         | ↓_           | _        | <u> </u> | $\vdash$   | <u> </u> | _        | _              | ┞                                      | 1        | 4 |
| L         | 100          | 1_        | <u> </u>     | 1        | 1        | L_   |          | 1        | <u></u> 1      | ــــــــــــــــــــــــــــــــــــــ |          | ١ |

| Claim Date |            |            |              |          |          |              |  |              | $\neg$       |              |          |
|------------|------------|------------|--------------|----------|----------|--------------|--|--------------|--------------|--------------|----------|
|            |            | $\neg$     |              |          |          |              |  |              |              |              | $\dashv$ |
| Final      | Original   |            |              |          |          |              |  |              |              |              |          |
|            | 101        |            |              |          |          |              |  |              |              |              |          |
| _          | 102        |            |              |          |          |              |  | _            |              |              | ᅥ        |
|            | 103        | -          | $\neg$       |          | Н        | -            |  |              |              |              | $\neg$   |
|            | 104        | -          | $\dashv$     |          | -        | -            |  |              |              | H            | 一        |
| _          | 105        |            | Н            |          | _        |              | -  |              |              |              | 一        |
|            | 106        |            |              |          | _        |              |  | -            |              | -            | $\dashv$ |
|            | 107        |            |              |          |          |              |  |              | -            | т            | ヿ        |
|            | 108        |            | П            |          |          |              |  |              | _            |              | $\dashv$ |
|            | 109        |            |              |          | _        | _            |  | _            |              |              | $\neg$   |
| _          | 110        |            | П            |          |          |              |  |              |              |              | $\neg$   |
|            | 111        |            |              |          |          |              | _  | Т            | _            |              | $\neg$   |
|            | 112        |            |              |          |          | - 4          | -  |              |              |              |          |
|            | 113        |            |              |          | -        | 3,           |  | 4            | ,            |              | П        |
|            | 114        |            |              |          | П        |              | · 1  | Γ            | Г            | П            | $\neg$   |
|            | 115        | П          |              |          |          |              | П  |              |              | П            | $\neg$   |
|            | 116        |            |              |          |          |              |  |              |              |              | $\Box$   |
|            | 117        |            |              |          |          |              |  |              |              |              |          |
|            | 118        |            |              |          |          |              |  |              |              |              |          |
|            | 119        |            |              |          |          |              |  |              |              |              |          |
| Г          | 120        |            |              |          |          |              | Γ  |              |              |              | $\Box$   |
| $\vdash$   | 121        |            | П            |          |          |              |  |              |              |              |          |
| Г          | 122<br>123 |            |              |          |          |              |  |              |              |              |          |
|            | 123        |            |              |          |          |              |  |              |              |              |          |
|            | 124        |            |              |          |          |              |  |              |              |              |          |
| L          | 125        |            | _            |          |          | _            | _  | _            | _            | L            |          |
| <u> </u>   | 126        | _          |              | <u> </u> |          | _            | L  | <u> </u>     | <u> </u>     | <u> </u>     |          |
| <u> </u>   | 127        |            | <u> </u>     |          | ļ        | <del> </del> | ┡  | ┡            | <u> </u>     | ļ            |          |
| ⊢          | 128<br>129 | <u> </u>   | -            |          | <u> </u> | <u> </u>     | <del> </del>                                     | -            | -            | ⊢            | $\vdash$ |
| ⊢          |            |            | ├            | -        |          | ├            | ⊢  | ⊢            | ├            | ├-           | Н        |
| ├          | 130        | ⊢          | -            |          | H        |              | ├-   | ├            | ├            | ⊢            | Н        |
| ⊢          | 131<br>132 |            |              | _        | ├        | ⊢            | ┢  | ┢            | -            | ├            | H        |
|            | 133        | $\vdash$   |              | -        | ⊢        | ├            | ┢  | <del> </del> | ╁            | ┢            | H        |
| ┝          | 134        |            |              | -        | ├        | ┢            | $\vdash$   | $\vdash$     | <del> </del> |              | -        |
| ⊢          | 135        | -          | ├            | $\vdash$ |          | $\vdash$     | ⊢  | ┢            | ├            | ├            | ⊢        |
| $\vdash$   | 136        | -          | ┢            | ├        | ┢        | ┢            | <del> </del>                                     | ₩            | -            | <del> </del> | -        |
| -          | 137        |            | $\vdash$     | ⊢        | $\vdash$ | ┼─           | ├  |              | ╁╌           | 1            | H        |
|            | 138        |            | ┢╾           | -        | ╁╾       | H            | t  | <del> </del> | $\vdash$     | <u> </u>     | _        |
| <u> </u>   | 139        | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | <del>                                     </del> | <b>-</b>     | 1            | T            | П        |
| Г          | 140        | _          | Г            | Г        |          | T            | Т  |              | Т            | Г            | $\vdash$ |
| Г          | 141        |            | $\vdash$     | 1        |          | T            | T  | $\vdash$     | _            | T            |          |
|            | 142        |            | _            |          | İ        |              | T  | T            |              | Т            | $\Box$   |
| Г          | 143        | Γ          | Г            | Γ        | Π        |              | T  |              |              |              |          |
| Г          | 144        |            | Γ            |          |          |              |  |              |              |              |          |
|            | 145        | -          |              |          |          |              |  |              |              |              |          |
| Ľ          | 146        |            | $\Box$       | Ĺ        | Ľ        | L            | Ĺ  | Ĺ            | L            | L            | L        |
| L          | 147        |            | $oxed{oxed}$ |          | L        | L            | L  |              | L            | $\perp$      |          |
| <u> </u>   | 148        |            | 1            | _        | L        | $\vdash$     |  | <u> </u>     | <del> </del> | $\vdash$     | $\vdash$ |
| L          | 149<br>150 | <u> </u> _ | ļ_           | <u> </u> | -        | <del> </del> | ┞  | 1            | $\vdash$     | 1            | <u> </u> |
| L          | 150        |            | L_           | L_       | <b></b>  | 1            | <u> </u>   | <u> </u>     | Ц.           | L_           | Ц_       |

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